

HulaMixer® Sample Mixer

Catalog no. 15920D

Rev. no. 003



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QUICK REFERENCE

HulaMixer® Sample Mixer

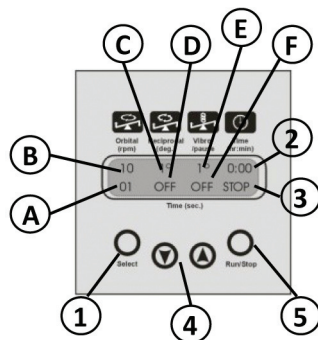
This quick reference describes the operation of HulaMixer® Sample Mixer using 360° rotation, 90° tilting, and the vortex function. See user manual for further details.

Get started

Connect the mixer to the AC/DC adapter, and the adapter to the main power supply. Press SELECT key (1) to choose which parameter to change. Use the ▲ and ▼ keys (4) to set the preferred value.

- (A) 1–100 rpm speed; (B) 1–250 sec rotation time
(C) 1–90° tilting; (D) 1–250 sec tilting time
(E) 1–5° vortex; (F) 1–5 sec vortex time
(2) Optional count-down timer; (3) RUN/STOP status

Push RUN/STOP key (5) to start or end any program.



Mixing by 360° end-over-end rotation

Generic mixing. Speed depends on volume and application. For example, to mix blood/cell cultures at 5–10 rpm, incubate cells and Dynabeads® at 5–10 rpm, wash Dynabeads® at 5–15 rpm.

Note: Too high speed may cause foaming or sample damage.

Suggested setting:

Orbital (rpm)	Reciprocal (deg.)	Vibro/pause	Time (hr:min)
10	1°	1°	0:00
any	OFF	OFF	STOP

Mixing by ≤ 90° tilting

Gentle mixing. The tilting angle depends on the sample volume, e.g. to avoid foaming and/or sample located in the tube-cap.

Note: Vigorous mixing can be achieved by tilting if the tilting angle is small (10–15°). Dynabeads® may settle during slow tilting.

Suggested setting:

Orbital (rpm)	Reciprocal (deg.)	Vibro/pause	Time (hr:min)
any	25°	any	0:00
OFF	any	OFF	STOP

Vortex function

Vigorous mixing. The vortex function is only active in combination with tilting. This mixing avoids samples from settling during gentle tilting, dissolves aggregates or bead-pellets, after magnetic concentration.

Note: Vortex can cause foaming or may damage the sample type (enzymes such as DNase can be sensitive to vortexing).

Suggested setting:

Orbital (rpm)	Reciprocal (deg.)	Vibro/pause	Time (hr:min)
any	10°	1°	0:00
OFF	any	2	STOP